

Quick ▶▶▶▶▶ installation guide

Start **here first** ▶

802.11G Hi-Speed **Wireless-G**
Router w/ **4-Port** Switch

HWR54G

HI-SPEED 54G
SERIES



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Step 1

Check the requirements for installation

Congratulations on your purchase of the H-WR258 Wireless Firewall Router. This product is the perfect solution to connect a group of computers to a high-speed Broadband Internet connection using cables or wirelessly. Configuration and setup of this router is easy and fast. Using the DHCP feature included in the router, your internet access can be easily shared among the multiple computers on your network.

Please take the time now to check the contents of you package:

Package Contents



Wireless-G Router



One CD-ROM (manual)



Quick Installation Guide



One power adapter

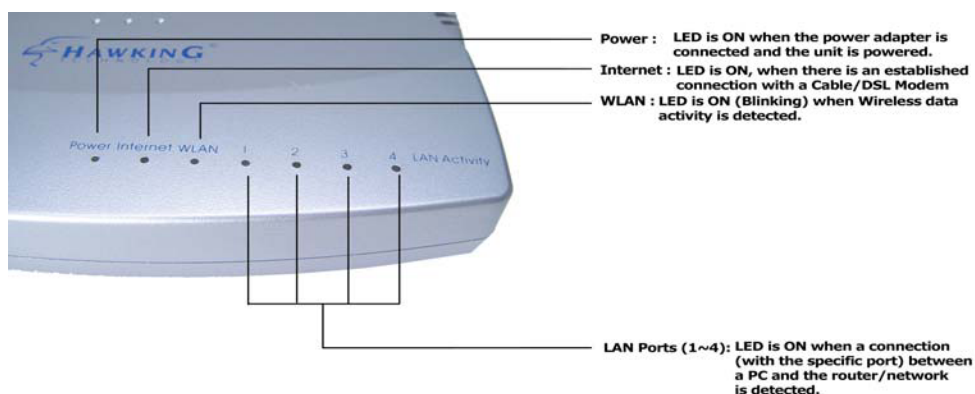


One Ethernet Cable

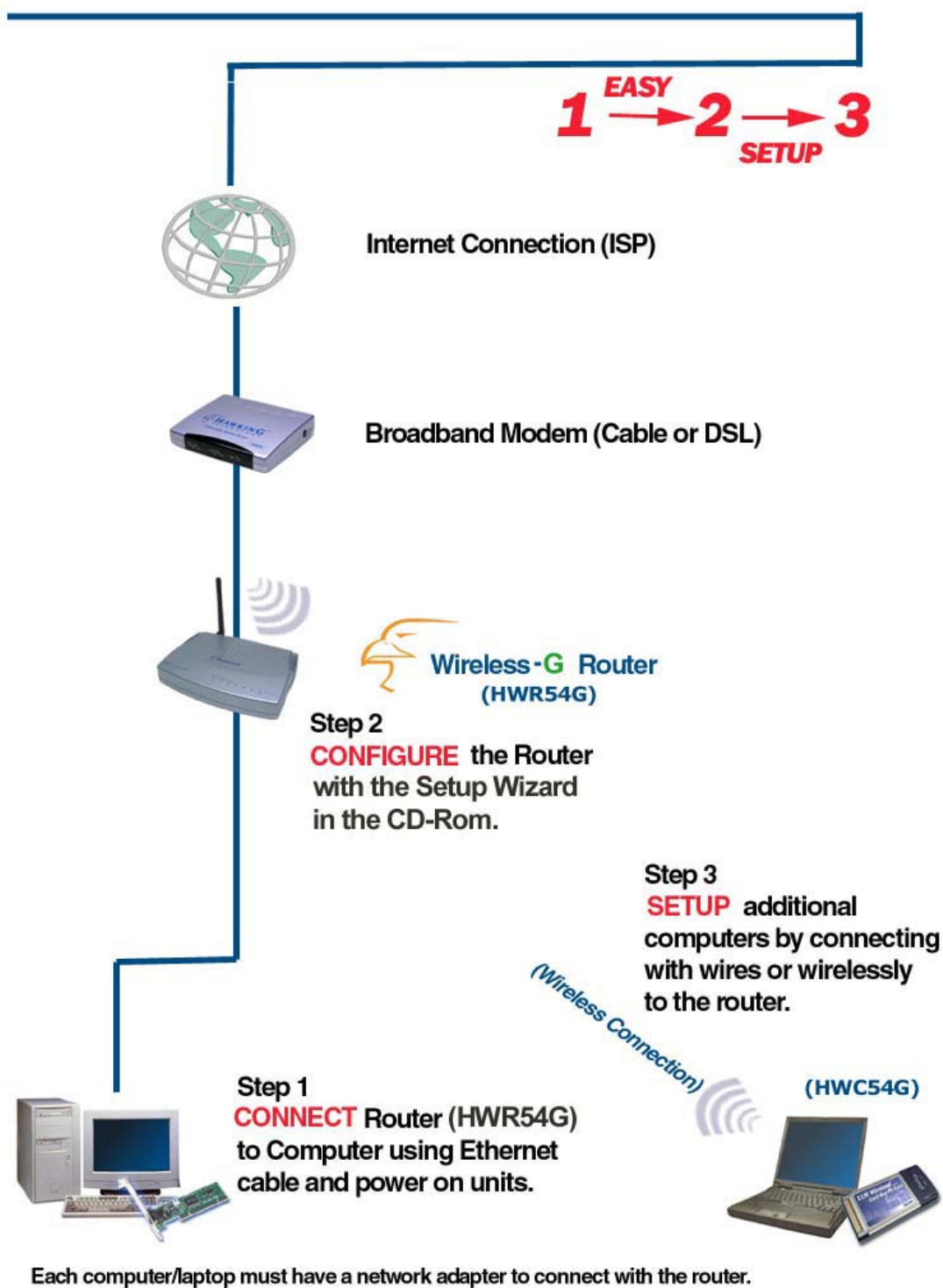
What you will need to get started

- One Ethernet-based broadband Internet connection (such as cable modem or ADSL modem)
 - One PC equipped with a network adapter and TCP/IP protocol
- (If you are unfamiliar with what this is please refer to the user's manual in the CD)
- Microsoft Internet Explorer 5 or later (Netscape V4.7 or later) web browser.

LED Description



Typical Setup of the HWR54G in your network (This is what yours should look like!)





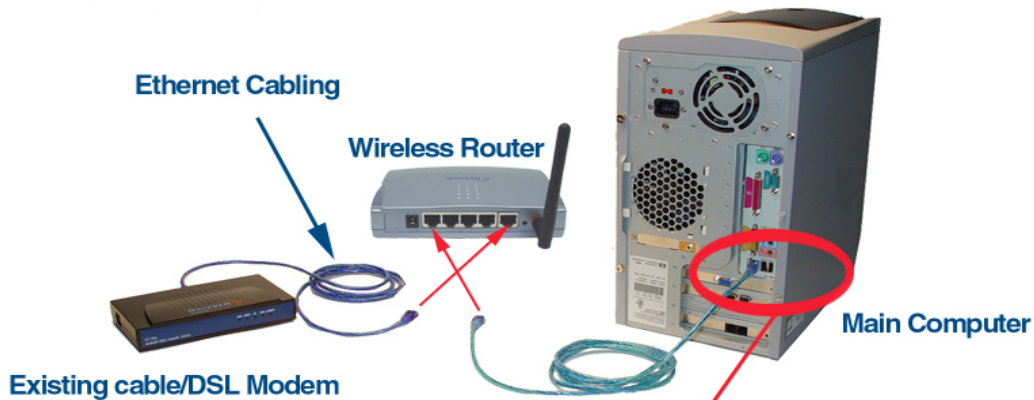
Step 2

Connect the router.

- 1)** Remove the router and the power adapter from your package. Plug one end of the power into an available power outlet and the other into the "DC-IN" on the router. (Place the router in between your cable/DSL modem and your computer to avoid cable clutter and usage of long cables)



- 2)** Connect an ethernet cable your existing Cable/DSL modem to the "Internet" port of your Router. Connect another ethernet cable from any one of the 4 "LAN" ports on the Router to the open ethernet port on your computer. Turn on the power of each unit.



Note: The location of ethernet ports on computers may vary from computer to computer.

Step 3

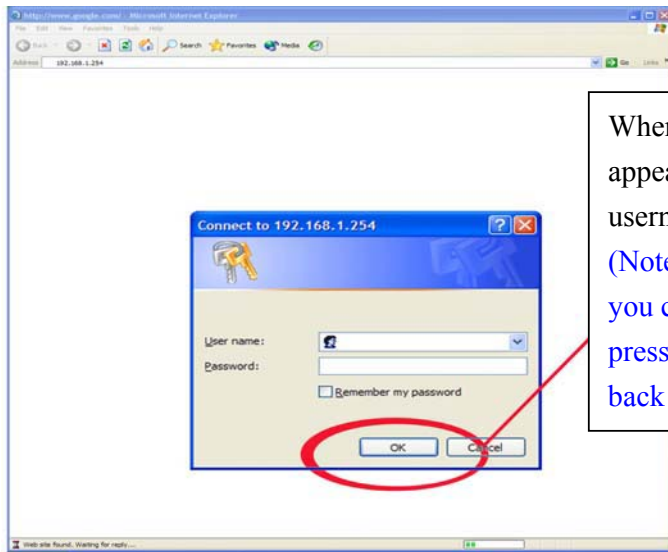
Configure your router

- 1) **POWER ON:** After you have correctly connected your router to your PC and Cable/DSL modem, please power on all units.
- 2) **INSERT THE SETUP CD:** Find the Setup-CD in your package and insert it into your CD-Rom drive. Wait for the Auto-Load Page to load. If the page does not load, please click on the “My Computer” icon of you PC and find your CD-Rom Drive. Right-Click on the CD-Rom drive icon and choose “Explore.” Find the file titled “autorun” and execute it.

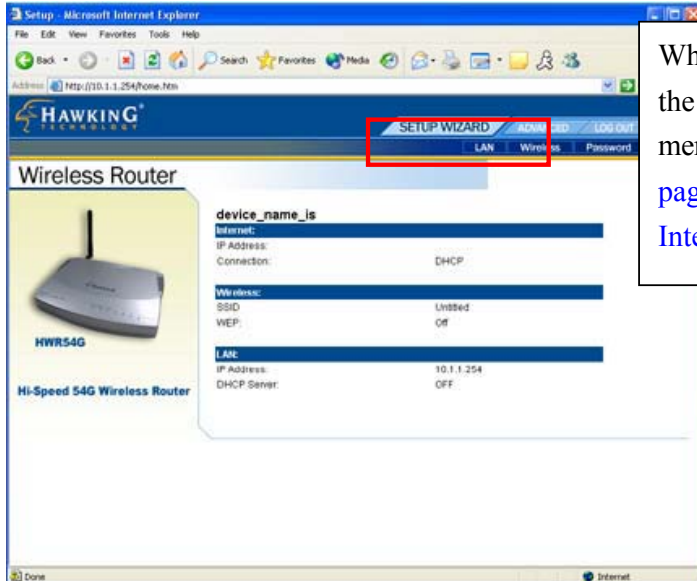


- 3) **SETUP WIZARD:** Click on the “Setup Wizard” tab to begin configuration of your Router. If your web-browser does not auto-load or cannot find the page, please **skip to STEP 4, the PC Configuration page.** You may return to this step after you have correctly configured your PC.

LOGIN AND PASSWORD



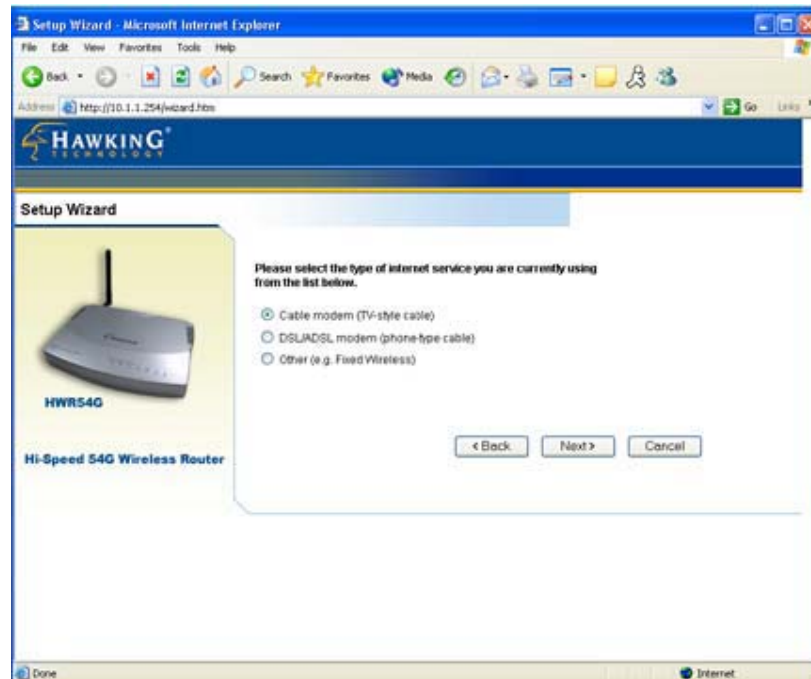
When the Login pop-up for the Router appears, please enter “**admin**” for the username to access the configuration screen. (Note: By default, there is no password. If you cannot get in, please reset the router by pressing the button next to the antenna on the back of the router and try logging in again.)



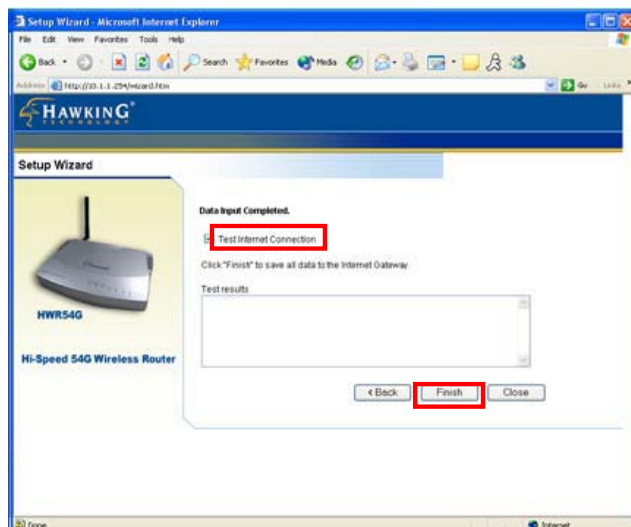
When the menu bar on the left loads, select the “**SETUP WIZARD**” option on the top menu bar. More information on the next page regarding the different types of Internet Service Providers (ISP's)

BROADBAND CONNECTION TYPE:

The SETUP WIZARD – Internet Access setup page configures your router to your specific broadband connection type. If you are unfamiliar with the type of broadband connection you have please contact your ISP for the correct information.



Please click “Next” after choosing Internet Access Service Type and the Wizard will guide you through the rest of the setup. Depending on which selection you choose further information from your ISP may be required (i.e. User Name, Password etc...) Please obtain this information from your ISP if necessary.



When you have completed the SETUP WIZARD please check to see if your internet connection is working correctly by clicking “Finish”

If your internet connection still fails please refer to the manual for further instructions.

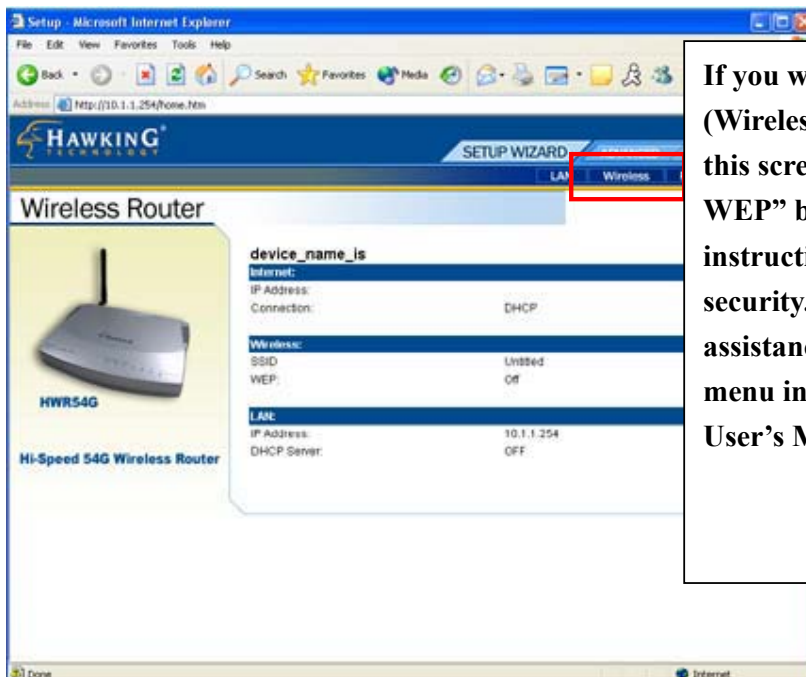
4) WIRELESS CONFIGURATION:

The default wireless settings for the Wireless-G router are:

Setting	Wireless Router
SSID	Default value: Untitled This may be changed on the <i>Wireless</i> screen, on the Wireless Router's main menu.
WEP	Default value: Disabled Use the <i>Wireless</i> screen, on the Wireless Router's main menu, to enable and configure WEP.

Please set your wireless products to all use the ID: **Untitled** if you do not wish to change the default settings.

If you wish to manually configure any wireless devices at this time, please select the “Wireless” selection on top menu and click to confirm. In the Wireless Setup you will need to create an ESSID (Wireless network identification name). You may choose to leave the Device Name blank. **(Note: After you enter you ESSID on the router please be sure that you have already set the ESSID to match on all your other wireless devices.)**



If you wish to configure WEP (Wireless Security) you may do so in this screen. Click the “Configure WEP” button and follow the instructions to setup your wireless security. If you need further assistance you may view the HELP menu in the utility or refer to the User’s Manual.

WIRELESS SECURITY CONFIGURATION (WEP)

Setup - Microsoft Internet Explorer

Address: http://10.1.1.254/home.htm

HAWKING TECHNOLOGY SETUP WIZARD ADVANCED LOG OUT

LAN Wireless Password Status

Wireless

HWR54G
Hi-Speed 54G Wireless Router

Wireless Network Identification:

Regulatory Domain: US/Canada
Station Name: Untitled
SSID (Service Set Identifier): Untitled

Options:

Channel No: 10
WEP data encryption: Off [Configure WEP](#)

Access Point:

Allow **LAN** access by:

☒ ALL Wireless stations
☐ Selected Wireless stations only [Select Stations](#)

Allow **Internet** access by:

☒ ALL Wireless stations
☐ Selected Wireless stations only [Select Stations](#)

[Save](#) [Cancel](#) [Help](#)

That's it, your router is now successfully setup for wireless and wired networking!
Please complete one last step before you starting using your Wireless Router...



Step 4

Configure Computers (optional)

PC Setup – Windows

Test

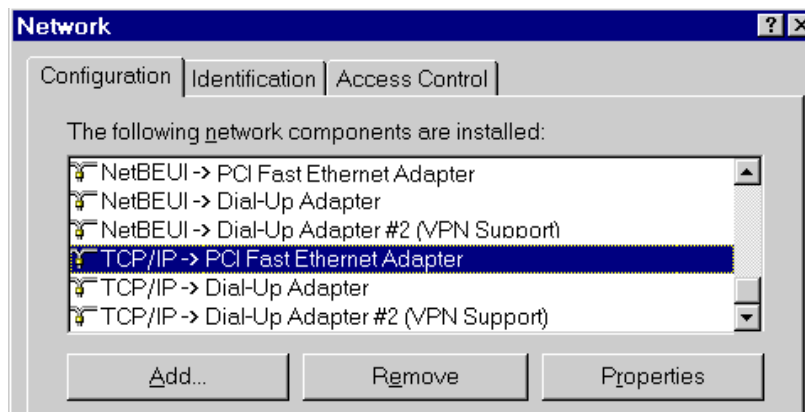
In order for all computers connected to the Wireless Router to work they must be configured correctly. To test this please open your web browser and type www.hawkingtech.com in your web browser's address bar. If this does not work then **POWER OFF YOUR CABLE MODEM OR DSL MODEM FOR 30 SECONDS. MAKE SURE YOUR WIRELESS ROUTER IS TURNED ON AND CONNECTED TO THE CABLE/DSL MODEM BEFORE YOU POWER ON YOUR MODEM AGAIN.** (This lets your ISP re-adjust its settings to your new router) Now power on your PC and try going to www.hawkingtech.com again.

If the page opens with no problem then you may skip the rest of this section and enjoy your new Wireless-G Router. However, if it does not load, please follow the following steps to complete the configuration process for each computer that fails the test.

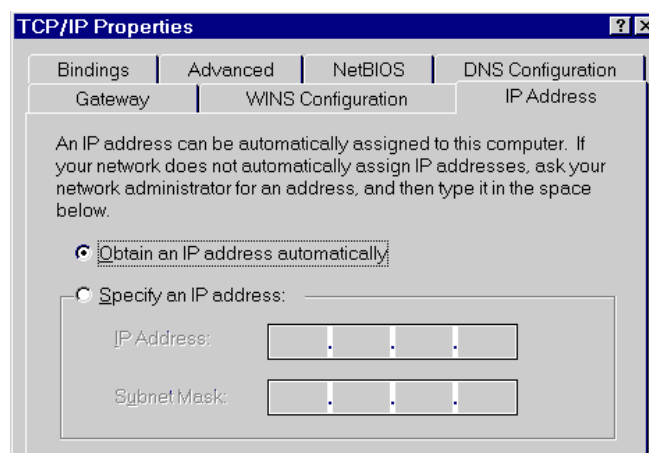
Note: If your computer is not loading the Setup Wizard page during initial setup you may also follow the following steps to correctly configure your PC.

PC SETUP (For Windows 98/ME/XP)

1.) Click the **START** button in your Windows tool bar. Find the “**CONTROL PANEL**” tab and select it. Double click the **Network Connections (XP)** or if you are using 98/ME, right click the **Network Neighborhoods** icon and select **Properties**. Find your “**Local Area Connection**” (XP), right click the icon and select **Properties**.



2.) Select the **TCP/IP** protocol option associated with your Network Adapter. (If you do not have the TCP/IP protocol please click “**Add...**” to add this protocol) Select the **Properties** tag after you have highlighted your TCP/IP protocol associated with the Network Adapter as indicated in the illustration above.



3.) Be sure to check the selection entitled “**Obtain an IP address automatically**” if it has not yet been chosen. Select **OK**. Your computer may request for you to reboot at this time. If so,

reboot and test your connection.



Networking Lingo

Glossary of Terms

Ethernet

A networking standard using cables (Category 5) to create a network.

Network Adapter

Also known as a NIC (Network Interface Card). Used to provide PC's or laptops with an Ethernet port or wireless access to the network.

Broadband Modem

A device that allows broadband connection to the internet. Broadband connections include speeds faster than 56k (dial up modem speed). The two most common types of Broadband connections are DSL and Cable. Cable modem relies on the bandwidth of cable television lines while DSL modems rely on the telephone lines operating at DSL speeds.

Router

A device used to share internet access from one user to multiple users. By taking one IP address (Addresses used by ISP's to assign broadband services to your computer) the Router distributes the services of your broadband access among multiple users and IP's.

Wireless

IEEE 802.11 – Wireless Network Specifications

- **802.11** -- applies to wireless LANs (Networks) and provides 1 or 2 Mbps transmission in the 2.4 GHz band using either frequency hopping spread spectrum (FHSS) or direct sequence spread spectrum (DSSS).
- **802.11a** -- an extension to 802.11 that applies to wireless LANs and provides up to 54 Mbps in the 5GHz band. 802.11a uses an orthogonal frequency division multiplexing encoding scheme rather than FHSS or DSSS.
- **802.11b** (also referred to as *802.11 High Rate* or *Wi-Fi*) -- an extension to 802.11 that applies to wireless LANs and provides 11 Mbps transmission (with a fallback to 5.5, 2 and 1 Mbps) in the 2.4 GHz band. 802.11b uses only DSSS. 802.11b was a 1999 ratification to the original 802.11 standard, allowing wireless functionality comparable to Ethernet.
- **802.11g** -- applies to wireless LANs and provides 54 Mbps in the 2.4 GHz band. Backwards compatible with IEEE 802.11b products.

ESSID

A unique name identification for your wireless network. All wireless devices must have the same ID or else they will not work together.

Channel

A Channel that all Wireless devices communicate on. All Wireless devices on the network must be set on the same channel to work.